

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number
WO 2005/039333 A1

(51) International Patent Classification⁷: **A24D 3/16**
(21) International Application Number:
PCT/GB2004/004418

(22) International Filing Date: 19 October 2004 (19.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
GB 03 24464.7 20 October 2003 (20.10.2003) GB

(71) Applicant (for all designated States except US): **FILTRONA INTERNATIONAL LIMITED** [GB/GB]; 110 Park Street, London W1Y 3RB (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MCCORMACK, Anthony, Denis** [GB/GB]; High Dyke, 35 Station Road, Heddon on The Wall, Northumberland NE15 0DY (GB). **TAYLOR, Michael, John** [GB/GB]; 35 Stella Hall Drive, Stella Park, Blaydon, Tyne & Wear NE21 4LE (GB). **WARBURTON, Andrew, James** [GB/GB]; 1 Merton Grove, Astley, Tyldesley, Greater Manchester M29 7HT (GB). **RYAN, Thomas, Anthony** [GB/GB]; Udine, Quarry Lane, Kelsall, Tarporley, Cheshire CW6 0PD (GB).

(74) Agent: **BATES, Philip, Ian**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

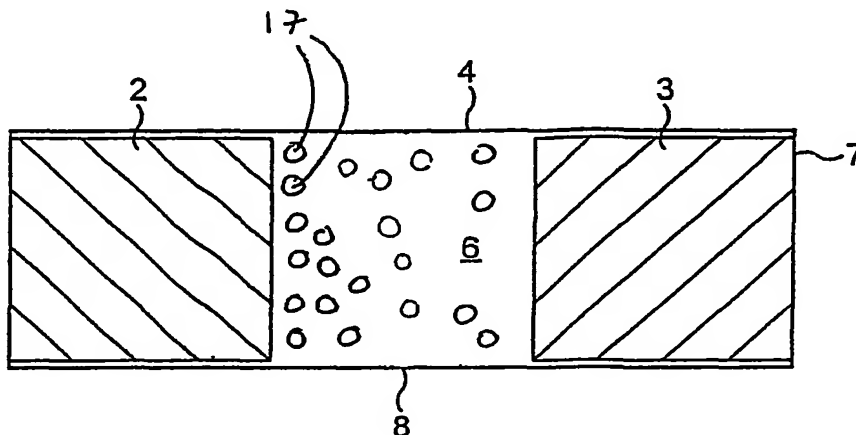
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TOBACCO SMOKE FILTER



(57) Abstract: A tobacco smoke filter containing a high activity activated carbon (17) impregnated with a metal impregnant. The use of a relatively low level of impregnant, in combination with a base carbon having higher activity than that used in standard cigarette filters, is highly effective in removing HCN from cigarette smoke.

WO 2005/039333 A1